



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/695,351	10/29/2003	You-Sub Lee	1572.1137	5994

21171 7590 01/10/2006

STAAS & HALSEY LLP
SUITE 700
1201 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER

EPPS, TODD MICHAEL

ART UNIT	PAPER NUMBER
----------	--------------

3632

DATE MAILED: 01/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/695,351	LEE ET AL.	
	Examiner	Art Unit	
	Todd M. Epps	3632	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 October 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,17,18,23 and 28-32 is/are rejected.
- 7) ☒ Claim(s) 3-16,19-22, and 24- 27 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10/29/2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

This is the second Office Action for serial number 10/695,351, Display Supporting Apparatus, filed on October 29, 2003.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 17, 18, 28, 29, 30, 31, and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,817,585 to Wagner et al (Wagner).

Wagner '585 (fig. 1) discloses an upper engaging part (30) mountable on a ceiling, a swivel adjusting part (52), a flange member (16), a display mounting part (fig. 1), and a display mounted on the display supporting apparatus (14-14'). However, Wagner '585 fails to disclose a first engaging pipe extended downward from the swivel adjusting part. Attention is directed to Wagner '585 (fig. 2), which discloses a first engaging pipe (52') extended downward from the swivel adjusting part, a second engaging pipe (50') having an external diameter to correspond to an internal diameter of the first engaging pipe (52'), wherein the second engaging pipe is inserted into the first engaging pipe to reduce a weight of the second engaging pipe, and provided with a trunk part having a hollow inside to couple to the first engaging pipe; one pair of first

Art Unit: 3632

engaging holes (fig. 2); two pairs of second engaging holes on the bottom of the trunk part (fig. 3), and a display mounted on the display supporting. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to add a first engaging pipe extended downward from the swivel adjusting part as shown in figure 2 wherein doing so would provide thereof convenience to adjust the monitor in any direction as the customer desired.

Wagner '585 discloses the previous invention failing to specifically teach a third pipe having an external diameter and internal diameter to correspond to the external and internal diameters of the first engaging pipe, and provided with a trunk part having a hollow inside to couple to the second engaging pipe. Since Wagner '585 discloses a second engaging pipe (50') having an external diameter to correspond to an internal diameter of the first engaging pipe (52'), it would have been obvious to one of ordinary skill in the art at the time the invention was made to add a third engaging pipe with one pair of first engaging holes and two pair of second engaging holes on the bottom of the trunk part wherein doing so would provide thereof a greater support to lower the monitor further downwardly.

Claims 2, and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wagner '585 in view of U.S. Patent No. 5,310,152 to O'Neill.

Wagner '585 discloses wherein a force to support the display is enhanced as a number of the second engaging holes of the upper engaging part is increased, however, fails to disclose a trunk part having a hollow projection, and a supporting rib combined

Art Unit: 3632

with the mounting plate and the trunk part. Attention is directed to O'Neill '152 reference, which shows a mounting plate with a trunk part having a hollow projection, and a supporting rib. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the plate with a trunk part of Wagner '585 to have the plate with a trunk part and a supporting rib as in O'Neill '152 so as to provide thereof for superior mounting when liquid crystal display is rotated at a different direction.

Allowable Subject Matter

Claims 3-16, and 24-27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art fails to teach a plate provided to withstand the weight of the display and with a through hole having a diameter equal to an external diameter of the trunk part of the upper engaging part; and an engaging part bent downward from an edge of the plate, and being provided with at least one pair of engaging holes to couple to the first engaging pipe.

Claims 19-22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Art Unit: 3632

The prior art fails to teach a tilt adjusting part provided so that at least one of the first, second, and third engaging pipes is coupled thereto, and to couple to the display mounting part.

Response to Arguments

Applicant's arguments, see remarks, filed 10/28/05, with respect to the rejection(s) of claim(s) 1, and 29-32 under O'Neill '152 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Wagner '585.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Todd M. Epps whose telephone number is 571-272-8282. The examiner can normally be reached on M-F (7:30-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Olszewski can be reached on 571-272-6788. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3632

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Todd M. Epps
Patent Examiner
Art Unit 3632
January 5, 2006

A handwritten signature in black ink, appearing to read "A. Epps", written over the typed name.